

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Ushio IWAMOTO et al.

Examiner: unknown

Appln. No. : 10/559,572

(National Stage of PCT/JP2004/008254)

I.A. Filed : June 7, 2004

Art Unit: unknown

For : WOUND-HEALING PROMOTING MATERIAL



**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
U.S. Patent and Trademark Office  
Customer Service Window, Mail Stop AMENDMENT  
Randolph Building  
401 Dulany Street  
Alexandria VA 22314

Sir:

In accordance with the duty of disclosure under 37 C.F.R. 1.56, 1.97, and 1.98, Applicant hereby brings the following information to the attention of the Examiner, which includes information cited and discussed in the specification, the International Search Report, the Written Opinion and the International Preliminary Examination Report issued in connection with counterpart International Application No. PCT JP2004/008254. Copies of the International Search Report (in English and Japanese), the Written Opinion (in Japanese) and the International Preliminary Examination Report (in Japanese) were enclosed with the papers when entering the National Stage on December 5, 2005. The Examiner is invited to review these materials to inspect the relevance indicated during international examination with respect to the documents cited therein.

US 6,699,388;

US 6,303,112

US 6,049,026;

US 5,618,663

US 5,165,938;

US 5,510,102;

US 5,418,222;

US 4,701,267;

US 2003/209479;

US 2002/160036;

US 2002/113003;

US 2002/001624;

EP 1080741;

WO 03/047655;

WO 03/011924;

WO 01/91880 (a family member of US 2002/113003; and 2003/209479, cited above);

WO 00/33893;

WO 99/66923;

WO 99/58172 (In Japanese with English abstract; a family member of US 6,699,388 and EP 1080741, cited above);

WO 96/27397;

WO 92/22304;

WO 87/05812;

WO 86/03122;

JP 2003-524590 (a family member of US 6,303,112 and WO 99/66923, cited above);

JP 2003-10301 (in Japanese with English abstract; a family member of US 2002/160036, cited above);

JP 2002-531532 (a family member of WO 00/33893, cited above);

JP 2002-47299 (in Japanese with English abstract);

JP 2001-508807 (a family member of US 2002/1624 A, cited above);

JP 2001-204807 (in Japanese with English abstract);

JP 11-239609 (in Japanese with English abstract);

JP 8-224293 (in Japanese with English abstract);

JP 7-59840 (in Japanese with English abstract);

JP 7-507558 (a family member of US 5,618,663, cited above);

JP 6-500802 (a family member of US 5,418,222 and WO 92/22304, cited above);

JP 5-43453 (in Japanese with English abstract);

JP 62-501628 (a family member of US 5,165,938 and WO 86/03122, cited above);

Kalka et al., "Transplantation of *ex vivo* expanded endothelial progenitor cells for therapeutic neovascularization," Proc. Nat. Acad. Sci. vol. 97, no. 7, 3422-3427 (March 28, 2000);

Zhao et al., "A human peripheral blood monocyte-derived subset acts as pluripotent stem cells," Proc. Nat. Acad. Sci. vol. 100, no. 5, 2426-2431 (March 4, 2003);

Valbonesi et al., "The role of autologous fibrin-platelet glue in plastic surgery: A preliminary report," Int. J. Artificial Organs, vol. 25, no. 4, 334-338 (2002);

Pierce et al., "Role of Platelet-Derived growth Factor in Wound Healing," J. Cell Biochem., 1991 45:319-326.


In accordance with 37 C.F.R 1.98, copies of the U.S. patents are not enclosed herewith. However, if any copies are needed, the Examiner is respectfully requested to contact the undersigned.


This Information Disclosure Statement includes a duly completed Form PTO-1449 listing all of the above-cited documents, and includes copies of the listed documents (other than U.S. Patents and U.S. Patent Publications). The Examiner is accordingly requested to consider each of these documents, and to make them of record in this application by initialing in the appropriate spaces on the Form PTO-1449. Applicant respectfully requests that the Examiner include a copy of the initialed Form PTO-1449 with the next communication from the U.S. Patent and Trademark Office.

Applicants note that an Office Action on the merits has not issued in the present application, and thus no fee is believed necessary to ensure consideration of the submitted material. However, if an Office Action on the merits has issued and is crossing this statement in the mail, the undersigned authorizes the Commissioner to charge any fee necessary for the consideration of this statement, including any payment under 37 C.F.R. §1.17 (p) to Deposit Account No. 19-0089.

Should there be any questions, the Examiner is invited to contact the undersigned at the below listed telephone number.

Respectfully submitted,  
Ushio IWAMOTO et al.

  
Bruce H. Bernstein  
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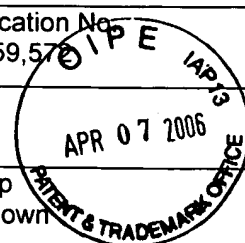
  
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42,357

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FORM PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
P28765Application No.  
10/559,570INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(Use several sheets if necessary)

Applicant  
Ushio IWAMOTO et al.Filing Date  
June 7, 2004Group  
Unknown

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6 6 9 9 3 8 8	03/02/04	IWAMOTO et al.			
		6 3 0 3 1 1 2	10/16/01	WORDEN			
		6 0 4 9 0 2 6	04/11/00	MUSCHLER			
		5 6 1 8 6 6 3	04/08/97	DELMAS			
		5 1 6 5 9 3 8	11/24/92	KNIGHTON			
		5 5 1 0 1 0 2	04/23/96	COCHRUM			
		5 4 1 8 2 2 2	05/23/95	SONG et al.			
		4 7 0 1 2 6 7	10/20/87	WATANABE et al.			
	2003	/ 2 0 9 4 7 9	11/13/03	LYUN et al.			
	2002	0 1 6 0 0 3 6	10/31/02	GEISTICH et al.			
	2002	/ 0 0 1 6 2 4	01/03/02	BRAUN et al.			
	2002	0 1 1 3 0 0 3	08/22/02	LYUN et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
		1 0 8 0 7 4 1	03/07/01	E.P.O				
	03	/ 0 4 7 6 5 5	06/12/03	W.I.P.O				
	03	/ 0 1 1 9 2 4	02/13/03	W.I.P.O				
	01	/ 9 1 8 8 0	12/06/01	W.I.P.O				
	00	/ 3 3 8 9 3	06/15/00	W.I.P.O				
	99	/ 6 6 9 2 3	12/29/99	W.I.P.O				
	99	/ 5 8 1 7 2	11/18/99	W.I.P.O				
	96	/ 2 7 3 9 7	09/12/96	W.I.P.O				
	92	/ 2 2 3 0 4	12/23/92	W.I.P.O				
	87	/ 0 5 8 1 2	10/08/87	W.I.P.O				
	86	/ 0 3 1 2 2	06/05/86	W.I.P.O				
	2003	- 5 2 4 5 9 0	08/19/03	JAPAN				
	2003	- 1 0 3 0 1	01/14/03	JAPAN				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

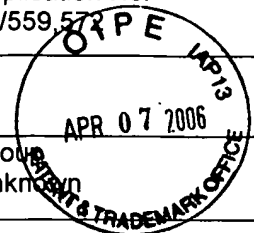
	1	English language Abstract of JP 2002-47299.
	2	English language Abstract of JP2001-204807.
	3	English language Abstract of JP11-239609.

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P28765	Application No. 10/559,572
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant Ushio IWAMOTO et al.	
		Filing Date June 7, 2004	Growth Unknown



## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	2002	- 5 3 1 5 3 2	09/24/02	JAPAN			
	2002	- 4 7 2 9 9	02/12/02	JAPAN			
	2001	- 5 0 8 8 0 7	07/31/01	JAPAN			
	2001	- 2 0 4 8 0 7	07/03/01	JAPAN			
	11	- 2 3 9 6 0 9	09/07/99	JAPAN			
	8	- 2 2 4 2 9 3	09/03/96	JAPAN			
	7	- 5 9 8 4 0	03/07/95	JAPAN			
	7	- 5 0 7 5 5 8	08/24/95	JAPAN			
	6	- 5 0 0 8 0 2	01/27/94	JAPAN			
	5	- 4 3 4 5 3	02/23/93	JAPAN			
	62	- 5 0 1 6 2 8	07/02/87	JAPAN			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

4	English language Abstract of JP 8-224293.
5	English language Abstract of JP 7-59840.
6	English language Abstract of JP 5-43453
7	Kalka et al., "Transplantation of ex vivo expanded endothelial progenitor cells for therapeutic neovascularization," Proc. Nat. Acad. Sci. vol. 97, no. 7, 3422-3427 (March 28, 2000).
8	Zhao et al., "A human peripheral blood monocyte-derived subset acts as pluripotent stem cells," Proc. Nat. Acad. Sci. vol. 100, no. 5, 2426-2431 (March 4, 2003).
9	Valbonesi et al., "The role of autologous fibrin-platelet glue in plastic surgery: A preliminary report," Int. J. Artificial Organs, vol. 25, no. 4, 334-338 (2002).
10	Pierce et al., "Role of Platelet-Derived growth Factor in Wound Healing," J. Cell Biochem., 1991 45:319-326.
11	English language Abstract of JP 2003-010301.

EXAMINER

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\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.